

This is a quick reference specification sheet, full details can be found in the Gas 320 / 620 ACE installation/service guide via remeha.co.uk/documents.

Gas 320⁺ 355

TECHNICAL
SPECIFICATION
SHEET

March 2021

OVERVIEW

MODEL : Gas 320 - 355	CE:0063CU3937
Rated Output kW (80/60°C)	64.8 - 326.7
Rated Output kW (50/30°C)	350.3
Weight (dry) kgs (without packaging)	400
Overall Dim W x H x D mm	707 x 1550 x 1862
No of sections:	6
SBEM - Efficiency GCV (1)	96.34
Efficiency Full Load 100%: NCV	98.1
Efficiency Part Load 30%: NCV	109.0
Stand-by Heat Loss W *:	479

BURNER TYPE PRE MIX

Std Fuel Available	Natural Gas
Fuel Consumption M3/h	35.2 NG max G20
Fuel Consumption M3/h LPG	Not Available
Flame Protection	Ionisation
Ignition	Electronic
Noise level dB(A) at 1 metre LpA	55.7
Optional Fuel	Not Available
LGP adjustment	Not Available
Gas Connection size BSP	2" (M)
Min/Max Gas pressure mbar	17 - 25
NOx annual emissions EN15502****	43 mg/kWh
NOx annual emissions BREEAM*****	16 mg/kWh

FLUE/AIR INLET

Flue diameter mm I/D	250
Air inlet diameter mm I/D	250
Mass flue gas flow rate kg/hr	115 - 561
Flue gas temperature °C	30-61
Maximum counter pressure PA	120

CONTROLS/OPTIONS

Standard Controls: SCB-01 provides two volt free contacts for status notification, 0-10v connection for PWM system pump. SCB-02 provides functionality for a DHW and central heating zone. Gateway GTW-22 provides functionality to connect a boiler to an app via bluetooth.
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ERP DATA - ECO DESIGN

Useful Efficiency - Full Load (GCV)%	88.4
Useful Efficiency - Part Load (GCV)%	98.2
Sound Power Levels Lwa Indoors dB	72

HYDRAULICS

Water contents ltrs	60
Resistance @ 11°C mbar	364 (36.4kPA)
Resistance @ 20°C mbar	110 (11kPA)
Nom Flow Rate @ 11°C l/s	7.1
Nom Flow Rate @ 20°C l/s	3.9
Condensate Connection	32mm
Flow Connection PN10	DN80
Return Connection PN10**	DN80**
Std Operating Temp °C	20-90***
Max Operating Temp °C	90
High Limit Set Point °C	110
Max operating pressure bar	7
Min operating pressure bar	1
Sealed System Only.	

ELECTRICAL

Power Supply	230v - 1ph - 50hz
Power Consumption W	10 - 345
Fuse Rating amps (Main)	10 AT
Fuse Rating CB-01	6.3AT
Fuse Rating CU-GH	1.6AT
Controls Voltage	24 (max 4va)
Insulation Class IP	X1

(1) In accordance with the Non Domestic Building Services Compliance Guide 2013 Edition-For use in England

* With optional Insulation Kit.

** Important The return flange connection is DN80 however, the inner bore of the return flange is DN65. If fitting a butterfly valve or similar please ensure a spool piece is first fitted to avoid the valve fouling the inner bore of the DN65 bore of the return flange.

*** Important When operating above the 25K dT (Parameters GP021) the boiler will restrict the maximum operating temperature to 80 deg C.

**** NOx emissions with standard factory settings G20 EN15502

***** NOx emissions set to BREEAM settings at commissioning G20 EN15502.